



SEQUENCE LISTING

<110> O'Brien, Timothy J.

<120> Method of Inducing Immunity Against Stratum Corneum
Chymotryptic Enzyme

<130> D6223CIP/C/Div

<140> US 09/905,083

<141> 2001-07-13

<150> US 09/502,600

<151> 2000-02-11

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proteases, n = Inosine

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Pro Leu Gln Ile Leu Leu Leu Ser Leu Ala Leu Glu
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<213> Unknown

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agattattga tggcgcccca tgtgcaagag gctcccaccc atggcagggtg 150
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Leu Leu Leu Pro Leu Gln Ile Leu Leu
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Gln Leu His Cys Gly Gly Val Leu Val
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Met Leu Val Lys Leu Asn Ser Gln Ala
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Arg Cys Glu Pro Pro Gly Thr Thr Cys
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<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 70-78 of the SCCE protein

<400> 93
His Val Lys Met Asn Glu Tyr Thr Val
5

<210> 94
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 175-183 of the SCCE protein

<400> 94
Asp Cys Thr Lys Val Tyr Lys Asp Leu
5

<210> 95
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 119-127 of the SCCE protein

<400> 95
Asn Ser Gln Ala Arg Leu Ser Ser Met
5

<210> 96
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 241-249 of the SCCE protein

<400> 96
Phe Thr Lys Trp Ile Asn Asp Thr Met
5

<210> 97
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 90-98 of the SCCE protein

<400> 97
Ala Gln Arg Ile Lys Ala Ser Lys Ser
5

<210> 98
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 238-246 of the SCCE protein

<400> 98
Val Cys Lys Phe Thr Lys Trp Ile Asn
5

<210> 99
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 91-99 of the SCCE protein

<400> 99

Gln Arg Ile Lys Ala Ser Lys Ser Phe
5

<210> 100

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 62-70 of the SCCE protein

<400> 100

Glu Arg Trp Val Leu Thr Ala Ala His
5

<210> 101

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 211-219 of the SCCE protein

<400> 101

Cys Arg Gly Thr Leu Gln Gly Leu Val
5

<210> 102

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 135-143 of the SCCE protein

<400> 102

Ser Arg Cys Glu Pro Pro Gly Thr Thr
5

<210> 103

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 37-45 of the SCCE protein

<400> 103

Ala Arg Gly Ser His Pro Trp Gln Val
5

<210> 104

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 227-235 of the SCCE protein

<400> 104

Gly Gln Pro Asn Asp Pro Gly Val Tyr
5

<210> 105

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 236-244 of the SCCE protein

<400> 105

Thr Gln Val Cys Lys Phe Thr Lys Trp
5

<210> 106

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 88-96 of the SCCE protein

<400> 106

Arg Arg Ala Gln Arg Ile Lys Ala Ser
5

<210> 107

<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 87-95 of the SCCE protein

<400> 107
Asp Arg Arg Ala Gln Arg Ile Lys Ala
5

<210> 108
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 233-241 of the SCCE protein

<400> 108
Gly Val Tyr Thr Gln Val Cys Lys Phe
5

<210> 109
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 72-80 of the SCCE protein

<400> 109
Lys Met Asn Glu Tyr Thr Val His Leu
5

<210> 110
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 122-130 of the SCCE protein

<400> 110
Ala Arg Leu Ser Ser Met Val Lys Lys
5

<210> 111
 <211> 9
 <212> PRT
 <213> *Homo sapiens*

 <220>

 <221> CHAIN
 <223> Residues 120-128 of the SCCE protein

 <400> 111
 Ser Gln Ala Arg Leu Ser Ser Met Val
 5

 <210> 112
 <211> 9
 <212> PRT
 <213> *Homo sapiens*

 <220>

 <221> CHAIN
 <223> Residues 9-17 of the SCCE protein

 <400> 112
 Leu Gln Ile Leu Leu Leu Ser Leu Ala
 5

 <210> 113
 <211> 9
 <212> PRT
 <213> *Homo sapiens*

 <220>

 <221> CHAIN
 <223> Residues 215-223 of the SCCE protein

 <400> 113
 Leu Gln Gly Leu Val Ser Trp Gly Thr
 5

 <210> 114
 <211> 9
 <212> PRT
 <213> *Homo sapiens*

 <220>

 <221> CHAIN
 <223> Residues 131-139 of the SCCE protein

 <400> 114

Val Arg Leu Pro Ser Arg Cys Glu Pro
5

<210> 115
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 106-114 of the SCCE protein

<400> 115
Thr Gln Thr His Val Asn Asp Leu Met
5

<210> 116
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 2-10 of the SCCE protein

<400> 116
Ala Arg Ser Leu Leu Leu Pro Leu Gln
5

<210> 117
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 99-107 of the SCCE protein

<400> 117
Phe Arg His Pro Gly Tyr Ser Thr Gln
5

<210> 118
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 137-145 of the SCCE protein

<400> 118
Cys Glu Pro Pro Gly Thr Thr Cys Thr
5

<210> 119
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 61-69 of the SCCE protein

<400> 119
Asn Glu Arg Trp Val Leu Thr Ala Ala
5

<210> 120
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 172-180 of the SCCE protein

<400> 120
Ser Pro Gln Asp Cys Thr Lys Val Tyr
5

<210> 121
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 23-31 of the SCCE protein

<400> 121
Glu Glu Ala Gln Gly Asp Lys Ile Ile
5

<210> 122
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 74-82 of the SCCE protein

<400> 122
Asn Glu Tyr Thr Val His Leu Gly Ser
5

<210> 123
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 22-30 of the SCCE protein

<400> 123
Gly Glu Glu Ala Gln Gly Asp Lys Ile
5

<210> 124
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 216-224 of the SCCE protein

<400> 124
Gln Gly Leu Val Ser Trp Gly Thr Phe
5

<210> 125
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN
<223> Residues 32-40 of the SCCE protein

<400> 125
Asp Gly Ala Pro Cys Ala Arg Gly Ser
5

<210> 126
<211> 9
<212> PRT
<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 230-238 of the SCCE protein

<400> 126

Asn Asp Pro Gly Val Tyr Thr Gln Val
5

<210> 127

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 227-235 of the SCCE protein

<400> 127

Gly Gln Pro Asn Asp Pro Gly Val Tyr
5

<210> 128

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 111-119 of the SCCE protein

<400> 128

Asn Asp Leu Met Leu Val Lys Leu Asn
5

<210> 129

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 191-199 of the SCCE protein

<400> 129

Ala Gly Ile Pro Asp Ser Lys Lys Asn
5

<210> 130

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 91-99 of the SCCE protein

<400> 130

Gln Arg Ile Lys Ala Ser Lys Ser Phe
5

<210> 131

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 236-244 of the SCCE protein

<400> 131

Thr Gln Val Cys Lys Phe Thr Lys Trp
5

<210> 132

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 82-90 of the SCCE protein

<400> 132

Ser Asp Thr Leu Gly Asp Arg Arg Ala
5

<210> 133

<211> 9

<212> PRT

<213> *Homo sapiens*

<220>

<221> CHAIN

<223> Residues 151-159 of the SCCE protein

<400> 133

Thr Thr Thr Ser Pro Asp Val Thr Phe
5

<210> 134

<211> 9
 <212> PRT
 <213> *Homo sapiens*

 <220>

 <221> CHAIN
 <223> Residues 181-189 of the SCCE protein

 <400> 134
 Lys Asp Leu Leu Glu Asn Ser Met Leu
 5

 <210> 135
 <211> 9
 <212> PRT
 <213> *Homo sapiens*

 <220>

 <221> CHAIN
 <223> Residues 213-221 of the SCCE protein

 <400> 135
 Gly Thr Leu Gln Gly Leu Val Ser Trp
 5

 <210> 136
 <211> 9
 <212> PRT
 <213> *Homo sapiens*

 <220>

 <221> CHAIN
 <223> Residues 141-149 of the SCCE protein

 <400> 136
 Gly Thr Thr Cys Thr Val Ser Gly Trp
 5